

Section II
Soil and Site Information

Soil Features
Shannon County, South Dakota

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
Aa: Lohmiller-----	---	---	---	---	0	---	Low	High	Moderate
AsB: Anselmo-----	---	---	---	---	0	---	Moderate	Moderate	Low
AsC: Anselmo-----	---	---	---	---	0	---	Moderate	Moderate	Low
AvE: Anselmo-----	---	---	---	---	0	---	Moderate	Moderate	Low
Valentine-----	---	---	---	---	0	---	Low	Low	Low
Ba: Badland-----	Bedrock (paralithic)	0-1	---	---	0	---	Low	Moderate	Low
Denby-----	---	---	---	---	0	---	Low	High	Moderate
Interior-----	---	---	---	---	0	---	Low	High	Moderate
Bk: Bankard-----	---	---	---	---	0	---	Low	Moderate	Low
Br: Badland-----	Bedrock (paralithic)	0-1	---	---	0	---	Low	Moderate	Low
Bu: Buffington-----	---	---	---	---	0	---	Low	High	Low
CaF: Canyon-----	Bedrock (paralithic)	6-20	---	---	0	---	Low	High	Low
Oglala-----	Bedrock (paralithic)	40-60	---	---	0	---	Moderate	Moderate	Low
Cc: Canyon-----	Bedrock (paralithic)	6-20	---	---	0	---	Low	High	Low
Rock Outcrop, Sandstone	Bedrock (paralithic)	0-1	---	---	0	---	Low	Moderate	Low
Cy: Denby-----	---	---	---	---	0	---	Low	High	Moderate
DvB: Dunday-----	---	---	---	---	0	---	Low	Low	Low
Valentine-----	---	---	---	---	0	---	Low	Low	Low
Ef: Elsmere-----	---	---	---	---	0	---	Moderate	Moderate	Low
Loup-----	---	---	---	---	0	---	Moderate	High	Low
EhF: Epping-----	Bedrock (paralithic)	10-20	---	---	0	---	Low	High	Low
Kadoka-----	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	Moderate	Low
EkE: Epping-----	Bedrock (paralithic)	10-20	---	---	0	---	Low	High	Low
Kadoka-----	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	Moderate	Low

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		In	In		In	In			
Er: Epping-----	Bedrock (paralithic)	10-20	---	---	0	---	Low	High	Low
Rock Outcrop, Sandstone	Bedrock (paralithic)	0-1	---	---	0	---	Low	Moderate	Low
GoA: Mobridge-----	---	---	---	---	0	---	Moderate	High	Low
Gr: Nihill-----	---	---	---	---	0	---	Moderate	High	Low
HhA: Haverson-----	---	---	---	---	0	---	Low	High	Low
HlA: Haverson-----	---	---	---	---	0	---	Low	High	Low
HoA: Haverson-----	---	---	---	---	0	---	Low	High	Low
Hs: Hisle-----	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	Moderate
Ht: Hisle-----	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	Moderate
Swanboy-----	---	---	---	---	0	---	Low	High	High
Hv: Hoven-----	---	---	---	---	0	---	Moderate	High	Moderate
KaA: Kadoka-----	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	Moderate	Low
KaB: Kadoka-----	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	Moderate	Low
KaC: Kadoka-----	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	Moderate	Low
KbC: Kadoka-----	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	Moderate	Low
Epping-----	Bedrock (paralithic)	10-20	---	---	0	---	Low	High	Low
KeA: Keith-----	---	---	---	---	0	---	Moderate	Moderate	Low
KeB: Keith-----	---	---	---	---	0	---	Moderate	Moderate	Low
KhD: Keith-----	---	---	---	---	0	---	Moderate	Moderate	Low
Colby-----	---	---	---	---	0	---	Low	Low	Low
KhE: Keith-----	---	---	---	---	0	---	Moderate	Moderate	Low
Colby-----	---	---	---	---	0	---	Low	Low	Low
KrA: Keith-----	---	---	---	---	0	---	Moderate	Moderate	Low
Rosebud-----	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	High	Low

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		In	In		In	In			
KuC: Keith-----	---	---	---	---	0	---	Moderate	Moderate	Low
Ulysses-----	---	---	---	---	0	---	Moderate	Moderate	Low
KyA: Swanboy-----	---	---	---	---	0	---	Low	High	High
KyB: Swanboy-----	---	---	---	---	0	---	Low	High	High
KzA: Kyle-----	---	---	---	---	0	---	Low	High	Moderate
Le: Lamo-----	---	---	---	---	0	---	High	High	Low
Elsmere-----	---	---	---	---	0	---	Moderate	Moderate	Low
Lm: Interior-----	---	---	---	---	0	---	Low	High	Moderate
Ls: Loup-----	---	---	---	---	0	---	Moderate	High	Low
McB: Manvel-----	---	---	---	---	0	---	Low	High	Low
Me: Minatare-----	---	---	---	---	0	---	Moderate	High	High
MgD: Minnequa-----	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	Low
Mm: Mosher-----	---	---	---	---	0	---	Moderate	High	Moderate
Minatare-----	---	---	---	---	0	---	Moderate	High	High
OcE: Oglala-----	Bedrock (paralithic)	40-60	---	---	0	---	Moderate	Moderate	Low
Canyon-----	Bedrock (paralithic)	6-20	---	---	0	---	Low	High	Low
OeC: Orella-----	Bedrock (paralithic)	10-20	---	---	0	---	Low	High	Low
Os: Orella-----	Bedrock (paralithic)	10-20	---	---	0	---	Low	High	Low
Rock Outcrop, Soft-----	Bedrock (paralithic)	0-1	---	---	0	---	Low	Moderate	Low
PcE: Enning-----	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Moderate
Minnequa-----	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	Low
Pd: Enning-----	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Moderate
Rock Outcrop, Soft-----	Bedrock (paralithic)	0-1	---	---	0	---	Low	Moderate	Low
PeC: Pierre-----	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	Moderate

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PsE: Pierre-----	Bedrock (paralithic)	In 20-40	In ---	---	In 0	In ---	Low	High	Moderate
Samsil-----	Bedrock (paralithic)	4-20	---	---	0	---	Low	High	Moderate
RaA: Richfield-----	---	---	---	---	0	---	Low	High	Low
Altvan-----	---	---	---	---	0	---	Moderate	Low	Low
RaB: Richfield-----	---	---	---	---	0	---	Low	High	Low
Altvan-----	---	---	---	---	0	---	Moderate	Low	Low
RdA: Richfield-----	---	---	---	---	0	---	Low	High	Low
Dawes-----	---	---	---	---	0	---	Low	High	High
ReB: Rosebud-----	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	High	Low
Canyon-----	Bedrock (paralithic)	6-20	---	---	0	---	Low	High	Low
RkC: Rosebud-----	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	High	Low
Keith-----	---	---	---	---	0	---	Moderate	Moderate	Low
Ss: Samsil-----	Bedrock (paralithic)	4-20	---	---	0	---	Low	High	Moderate
Rock Outcrop, Soft-----	Bedrock (paralithic)	0-1	---	---	0	---	Low	Moderate	Low
Sw: Swanboy-----	---	---	---	---	0	---	Low	High	High
TaF: Tassel-----	Bedrock (paralithic)	6-20	---	---	0	---	Low	High	Low
Anselmo-----	---	---	---	---	0	---	Moderate	Moderate	Low
Te: Epping-----	Bedrock (paralithic)	10-20	---	---	0	---	Low	High	Low
Mitchell-----	---	---	---	---	0	---	Low	High	Low
TnA: Tuthill-----	---	---	---	---	0	---	Low	Moderate	Low
Anselmo-----	---	---	---	---	0	---	Moderate	Moderate	Low
TnC: Tuthill-----	---	---	---	---	0	---	Low	Moderate	Low
Anselmo-----	---	---	---	---	0	---	Moderate	Moderate	Low
TuA: Tuthill-----	---	---	---	---	0	---	Low	Moderate	Low
Manter-----	---	---	---	---	0	---	Moderate	High	Low
TuB: Tuthill-----	---	---	---	---	0	---	Low	Moderate	Low
Manter-----	---	---	---	---	0	---	Moderate	High	Low

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TuC: Tuthill-----	---	---	---	---	0	---	Low	Moderate	Low
Manter-----	---	---	---	---	0	---	Moderate	High	Low
UcC: Ulysses-----	---	---	---	---	0	---	Moderate	Moderate	Low
Colby-----	---	---	---	---	0	---	Low	Low	Low
VaC: Valentine-----	---	---	---	---	0	---	Low	Low	Low
VaD: Valentine-----	---	---	---	---	0	---	Low	Low	Low
Vs: Valentine-----	---	---	---	---	0	---	Low	Low	Low
w: Water (less Than 40 Acres)-----	---	---	---	---	---	---	---	---	---
wa: Water (greater Than 40 Acres)-----	---	---	---	---	---	---	---	---	---
Ww: Wortman-----	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	Moderate
Wanblee-----	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	Moderate